

TEAM TESLA

TOPGUNS - 2020



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Team Tesla - Project Highlights



- Role based common login authentication
- Password encryption & decryption for login feature
- Captcha Implementation
- JUnit test cases & Exceptional handling
- Tomcat File Server
- Common folder structure, naming convention and layout for the entire project
- Ag Grid table across all projects.

Technical Implementation



User Interface

React JS and Material UI Library
(167 Components)



APIs

REST APIs

Spring Boot
(GET: 72, POST: 21, PUT, 32, DELETE: 8)



Database

POSTGre SQL
(20 Tables, 147 SQL Queries)



User Stories

Jira



Source Control

BitBucket
(23,340 Lines of Code)



Mail

Spring framework



Captcha

Google React Captcha

Credit Card User Stories

01.

Login to NGOs, View all applications form

02.

New customer CC Application, edit any submitted form

03.

Delete a customer CC application

04.

Save and retrieve ID proofs to document manager, perform and retrieve credit score

05.

Retrieve initial offer based on credit score

06.

E-mail to customer, confirm offer, inform sales user about approval

07.

Pull an excel report, view all the applications a sales user is handling

Credit Card - Project Highlights



Password Encryption & Decryption

Super User functionality

Separate User for document verification

Customer Page

Dynamic generating of credit card offers based on
CIBIL Score

Liquidity User Stories

01.

Provision to group accounts according to the instructions provided by the client

02.

Provision to have an interest setup that defines interest rates for each account group

03.

Interest calculation at the end of day balances and combining balances of all accounts in a group

04.

Reports to display the daily results for all accounts

05.

Provision to have tiered interest rates defined according to balance

Liquidity - Project Highlights



- Mass account generation
- Report generation & Scheduled email for customers
- Automatic interest settlement of groups
- OTP two factor authentication
- Tiered interest based system for account setup

RM User Stories

01.

Home Page for
upcoming stories

02.

Cleint Notifications by
clicking on the count
available in Calendar

03.

See key fields of the
upcoming activities on
clicking on the CIF ID

04.

See upcoming activities for
next month in the Client
Notification section

05.

Upload the upcoming
notifications

06.

Download the summary
of notifications

RM - Project Highlights



Financial widgets

Chatbot - Pepper

Apache POI for file uploading

Performance review dashboard

Client quick access & client search functionality

Book appointments page

Payments User Stories

01.

Login to Corporate
Channel Application with
validated credentials

02.

Creating of transaction
using an entry screen
with validations

03.

Approval of transaction

04.

Transaction
Management(Print, Edit
etc.) Journeys

05.

Interface to Processing
engine

06.

Status update and visual
display

07.

Account Balancing &
Reporting

Payments - Project Highlights



Captcha implementation

Quick pay feature

Manage beneficiaries & manage users

OTP authentication for approval of transactions & beneficiaries

Interactive chart for region wise account

THANK YOU!

